

1.

A water purification system for purifying water flowing through a water flow path, the system comprising:

a water purification device having an inlet and an outlet in the water flow path and in fluid communication with at least one interior volume

5 of said water purification device;

a purification medium positioned within the interior volume;

a sensing device operative to generate a signal used to determine a volume of water dispensed from the outlet; and

10 an electronic control coupled with said sensing device and having an output responsive to said signal for indicating the volume of water dispensed from the outlet.

2. The water purification system of claim 1, wherein the sensing device comprises a flow sensor.

3. The water purification system of claim 2, wherein said flow sensor is positioned to measure water flow upstream of said inlet.

4. The water purification system of claim 2, wherein said flow sensor is positioned to measure water flow downstream of said outlet.

5. The water purification system of claim 1, wherein said sensing device includes a timer.

6. The water purification system of claim 5, wherein the control further includes a look-up table with time values usable to determine an amount of time for dispensing the volume of purified water from the outlet.

7. The water purification system of claim 5, wherein the control further includes an algorithm operative to determine an amount of time for dispensing the volume of purified water from the outlet.

8. The water purification system of claim 1, wherein the control further includes an alerting device configured to alert the user when the volume of purified water has been dispensed from the outlet.

9 A water purification system for purifying water flowing through
a water flow path, the system comprising:

a water purification device having an inlet and an outlet in the
water flow path and in fluid communication with at least one interior volume
5 of said water purification device;

a purification medium positioned within the interior volume;

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a flow control system for controlling a volume of purified water
dispensed from the outlet, said flow control system including an input
device configured to allow a user to input a desired volume of purified water
10 to be dispensed from the outlet and a sensing device coupled with the
electronic input device and operative to determine the volume of purified
water being dispensed from the outlet; and

a flow regulation device coupled with the flow control system
and operative to stop the discharge of purified water at the outlet upon
15 reaching the desired volume of purified water.

10. The water purification system of claim 9, wherein the sensing device comprises a flow sensor.

11. The water purification system of claim 10, wherein said flow sensor is positioned to measure water flow upstream of said inlet.

12. The water purification system of claim 10, wherein said flow sensor is positioned to measure water flow downstream of said outlet.

13. The water purification system of claim 9, wherein said sensing device includes a timer.

14. The water purification system of claim 13, wherein the flow control system further includes a look-up table with time values usable to determine an amount of time for dispensing the desired volume of purified water corresponding to the desired volume input into the input device.

15. The water purification system of claim 13, wherein the flow control system further includes an algorithm operative to determine an amount of time for dispensing the desired volume of purified water corresponding to the desired volume input into the input device.

16. The water purification system of claim 9, wherein the flow control system further includes an alerting device configured to alert the user when the desired volume of purified water has been dispensed from the outlet.

17. The water purification system of claim 9, wherein the flow regulation device includes a valve.

18.

A water purification system for purifying water flowing through a water flow path, the system comprising:

a water purifying device having an inlet and an outlet communicating with at least one interior volume;

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a purifying medium positioned within the interior volume;

a pump for moving water through the inlet, the purifying medium and the outlet;

an electronic input device configured to allow a user to input a desired volume of purified water to be dispensed from said outlet,

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a sensing device positioned upstream of said inlet and configured to sense a fluid characteristic of the water flowing through said inlet, said fluid characteristic being at least indirectly indicative of the volume of water flowing through said inlet;

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a flow regulation device coupled to said water flow path and configured to control the discharge of purified water from said outlet; and

a control coupled to said electronic input device, said sensing device, and said flow regulation device, said control operating to manipulate information provided by said electronic input device and said sensing device to thereby control said flow regulation device to dispense the desired volume of purified water.

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The water purification system of claim 18, wherein said sensing device comprises a flow sensor operative to measure the flow of water upstream of said inlet.

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The water purification system of claim 18, wherein the flow regulation device includes a valve.

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